DOS 3.30

Quick Reference Card

IBM®

Programming Family

IBM

80X0683

DOS Editing Keys

Del	Skip one character in retained line
Esc	Cancel current line
F1 or →	Copy and display one character from retained line
F2	Copy all characters up to specified character
F3	Copy all remaining characters from retained line
F4	Skip all characters to specified character of retained line
F5	Accept edited line for more editing as retained line
Ins	Toggle—insert characters

Typing a DOS Command

Type the DOS commands using the following format notation:

[ ]	Items shown inside square brackets are optional. To include optional items, only type the information inside of the brackets. Do not type the brackets.
CAPS	Words shown in capital letters are called *keywords*. The DOS command names are keywords. You must type the keywords; however, you can type keywords in any combination of uppercase and lowercase letters.
italics	Items shown in lowercase italic letters mean that you are to substitute the item. If italic items are inside of brackets, they they are optional. For example:
	filename
	means type the name of your file in place of the word filename.
|	A vertical bar means either/or. Choose one of the separated items and type it as part of the command. For example:
	ON|OFF
	means you can type ON or OFF, but not both.
...	An ellipsis indicates that you can repeat an item.

Include all punctuation such as commas, equal signs, question marks, colons, slashes, and backslashes. Punctuation shown inside brackets is optional.

Batch Commands

Executes batch file
    [d:][path] filename[.BAT][parameters]

Calls another batch file from within a batch file without ending the first batch file
    CALL *[d:] [path] filename*

Displays messages, disables or enables 'echo message'
    ECHO [ON|OFF|*message*]

Interactive execution of commands

FOR %%variable IN (set) DO command

Transfers control to label
    GOTO [:]label

Conditional execution of commands
    IF [NOT] condition command

Waits for operator to press any key
    PAUSE [remark]

Conceals remarks ... see ECHO
    REM [remark]

Shifts command lines
    SHIFT

DOS Commands

Allows a DOS path-like support for data files in addition to program files

The first time APPEND is loaded:
    [d:][path] APPEND d:path.[; [d:] [path...]
    or
    [d:] [path]APPEND [/X][/E]

After APPEND has been loaded:
    APPEND d:path [;[d:] path...]
    or
    APPEND [:]

Make drive specifier x refer to drive y
    [d:] [path]|ASSIGN [x[=] y[...]]

Sets file to read-only or sets archive attributes on or off
    [d:][path] ATTRIB
    [+ R|-R][+ A|-A] [d:][path] filename [.ext.][/S]

Backs up disk files
    [d:][path] BACKUP d:[path] filename[.ext]]
    d:[/S][/M][/A] [/D:mm-dd-yy] [/T:hh:mm:ss][/F]
    [/L[:[d:] [path] filename[.ext]]]

Permit extended checking for control break
    BREAK[ON|OFF]

Allows you to select, change, and display the system code page

CHCP[nnn]

Changes current directory
    CHDIR [d:] [path]
    or
    CD[d:][path]

Checks disk and reports status
    [d:] [path]CHKDSK
    [d:][path] [filename[.ext]][/F] [/V]

Clears the display screen
    CLS

Start a secondary command processor
    COMMAND[d:] [path] [/P][/C string]
    [/E:xxxxx]

Compares files
    [d:][path] COMP [d:][path] [filename[.ext]]
    [d:][path] [filename[.ext]]

Copies files
    COPY [/A][/B] [d:][path] filename[.ext] [/A][/B]
    [d:][path] filename[.ext]] [/A][/B][/V]
    or
    COPY [/A][/B] [d:][path] filename[.ext] [/A][/B]
    [+ [d:] [path] filename[.ext] [/A][/B] [...]
    [d:][path] filename[.ext]] [/A][/B][/V]

Changes to an auxiliary console
    CTTY device name

Allows you to set or change the date
    DATE [mm-dd-yy] [dd-mm-yy] [yy-mm-dd]

Deletes files
    DEL [d:] [path] filename[.ext]

Lists filenames
    DIR [d:] [path] [filename[.ext]] [/P][/W]

Compares diskettes
    [d:][path] DISKCOMP [d: [d:]] [/1][/8]

Copies diskettes
    [d:][path] DISKCOPY [d: [d:]] [/1]

Erases files
    ERASE [d:] [path] filename[.ext]

Converts .EXE files to .COM format
    [d:][path] EXE2BIN [d:][path] filename[.ext]

[d:][path] [filename[.ext]]

Allows for fast accessing of files by holding in
memory
the locations of directories and recently opened files
   [d:][path] FASTOPEN d:[=nnn]...

Prepares fixed disk for DOS
   [d:][path] FDISK

Searches files for strings of text
   [d:][path] FIND [/V][/C][/N] "string" [[d:][path]
   filename[.ext]...]

Formats diskettes or fixed disks
   [d:][path] FORMAT
   d:[/S][/1][/8] [/V] [/B][/4][/N:xx] [/T:yy]

Loads a table of additional character data into
memory
for the color/graphics adapter
   [d:][path] GRAFTABL
   [437 | 860 | 863 | 865 | /STATUS]

Allows the contents of a graphics display screen to
be
printed when using a color/graphics monitor
adapter
and screen
   [d:][path] GRAPHICS
   [printer type][/R] [/B] [/LCD]

Connects a drive to a directory on another drive to
produce a single directory structure
   [d:][path]JOIN [d: d:\directory] [/D]

Loads a keyboard program and replaces the current
resident program in ROM BIOS
   [d:][path] KEYB
   [xx[,[yyy], [[d:][path] filename[.ext]]]]

Create, change, or delete a volume label
   [d:][path] LABEL [d:][volume label]

Creates a subdirectory
   MKDIR [d:] path
   or
   MD [d:] path

Sets mode on printer, display, Asynchronous
Communication Adapter and sets up and controls
code
page switching

[d:][path]MODE LPT# [:][n][,[[m] [,P]]
or
[d:][path] MODE n
or
[d:][path]MODE [n],m[,T]
or
[d:][path]MODE COM#[:]baud[,[parity]
[,[databits] [,[stopbits][,P]]]]
or
[d:][path]MODE LPT# [:] = COMn
or
[d:][path]MODE device CODEPAGE
PREPARE = ((cp) [d:][path] filename[.ext])
or
[d:][path]MODE device CODEPAGE
PREPARE = ((cplist) [d:][path] filename[.ext])
or
[d:][path]MODE device CODEPAGE
SELECT = cp
or
[d:][path]MODE device CODEPAGE
[/STATUS
or
[d:][path]MODE device CODEPAGE
REFRESH

Pause standard output after 24 lines (Filter)
   [d:][path]MORE | [< filename.ext]

Permits you to select a code page when used with
DISPLAY.SYS and PRINTER.SYS, and allows
support for .extended country information and code
page
switching
   [d:][path] NLSFUNC [[d:][path] filename[.ext]]

Searches specific directories for commands or batch
files
   PATH [[d:]path [[;[d:] [path]]]
   or
   PATH;

Prints and queues data files
   [d:][path] PRINT [/D:device] [/B:buffsiz]
   [/U:busytick] [/M:maxtick] [/S:timeslice]
   [/Q:quesiz] [/C] [/T] [/P]
   [[d:] [path] [filename[.ext] ...]]

Sets new prompt
   PROMPT prompt-text

Recovers files from disk
   [d:][path] RECOVER [d:][path] filename[.ext]

or
[*d*:][*path*] RECOVER *d*:

Renames files
REN[AME] [*d*:][*path*] *filename*[.*ext*]
filename[.*ext*]

Replaces and adds files
[*d*:][*path*] REPLACE [*d*:][*path*] *filename*[.*ext*]
[*d*:][*path*] [/A][/P][/R][/S][/W]

Restores backed up files from one disk to another
disk
[*d*:][*path*] RESTORE
d: [*d*:] [*path*] *filename*[.*ext*] [/S] [/P] [/B:*mm-dd-yy*]
[/A:*mm-dd-yy*][/M] [/N] [/L:*time*][/E:*time*]

Removes a subdirectory
RMDIR *d*: [*path*]
or
RD [*d*:] *path*

Installs DOS on a new disk with the specified
country
information and keyboard layout
[*d*:][*path*] SELECT [[A: | B:] [*d*:][*path*]] *xxx yy*

Display or change the command processor's
environment
SET [*name* = [*parameter*]]

Loads support for file sharing
[*d*:][*path*] SHARE [/F:*filespace*][/L:*locks*]

Sort data from the standard input device to the
standard
output device
[*d*:][*path*] SORT [/R] [/ + *n*]

Allows you to use a different drive specifier to refer
to a
drive or path
[*d*:][*path*] SUBST *d*: *d:path*
or
[*d*:][*path*] SUBST *d*: /D
or
[*d*:][*path*] SUBST

Transfers DOS
[*d*:][*path*] SYS *d*:

Enter or change the time known to the system
TIME [*hh:mm*[:*ss*] [.*xx*]]

Displays all directory paths
[*d*:][*path*]TREE [*d*:][/F]

Displays file contents
TYPE [*d*:] [*path*] *filename*[.*ext*]

Displays DOS version number
VER

Verifies data after every write to disk
VERIFY [ON | OFF]

Displays volume identification
VOL [*d*:]

Copies groups of files, including lower level
subdirectories
[*d*:][*path*] XCOPY [*d*:][*path*] *filename*[.*ext*]
[*d*:][*path*] [*filename*[.*ext*]] [/A] [/D] [/E]
[/M] [/P] [/S] [/V] [/W]
or
[*d*:][*path*] XCOPY [*d*:]*path* [*filename*[.*ext*]]
[*d*:][*path*] [*filename*[.*ext*]] [/A] [/D] [/E]
[/M] [/P] [/S] [/V] [/W]
or
[*d*:][*path*] XCOPY *d*:[*path*] [*filename*[.*ext*]]
[*d*:][*path*] [*filename*[.*ext*]] [/A] [/D] [/E]
[/M] [/P] [/S] [/V] [/W]

EDLIN Commands

Appends Lines
[*n*]A

Copies Lines
[*line*], [*line*] ,*line* [,*count*]C

Deletes Lines
[*line*][,*line*]D

Edits Line
[*line*]

Ends Edit. Saves Changes
E

Inserts Lines
[*line*]I

Lists blocks of lines
[*line*][,*line*]P

Moves Lines
  [line],[line] ,lineM

Page
  [line],[line]P

Quits Edit
  Q

Replaces Text
  [line][.,line] [?]R[string] [< F6 > string]

Searches Text
  [line][,line] [?]S[string]

Transfers Lines
  [line]T[d:] filename

Write Lines
  [n]W

DEBUG Commands

Assembles statements
  A[address]

Compares memory
  c range address

Displays memory
  D[address]
  or
  D[range

Replaces memory contents
  E address [list]

Changes memory blocks
  F range list

Executes with optional breakpoints
  G[= address] [address [address...]]

Hexadecimal add-subtract
  H value value

Reads and displays input byte
  I portaddress

Loads file or absolute diskette sectors
  L[address[drive sector sector]]

Moves memory block
  M range address

Defines files and parameters
  N [d:][path] filename[ext]

Sends output byte
  O portaddress byte

Proceed with statements after jump
  P [= address][value]

Ends DEBUG program
  Q

Displays registers/flags
  R [registername]

Searches for characters
  S range list

Executes and displays
  T[= address][value]

Unassembles instructions
  U [address]
  or
  U [range]

Writes file or absolute diskette sectors
  W [address[drive sector sector]]

CONFIG.SYS Commands

Sets BREAK = ON or OFF
  BREAK = [ON | OFF]

Sets number of buffers DOS will allocate
  BUFFERS = x

Specifies date and time format for a given country
  COUNTRY = xxx,[yyy] [d:][path] filename[.ext]
  or
  COUNTRY = xxx,[yyy]

Permits code page switching on the IBM PC
Convertible
LCD screen, EGA, and IBM Personal System/2 ™
displays

DEVICE = [*d:*][*path*] DISPLAY.SYS CON [:] =
(*type* [,[*hwcp*][,*n*]])
or
DEVICE = [*d:*][*path*] DISPLAY.SYS CON [:] =
(*type*[,[*hwcp*] [,(*n,m*)]])

Permits code page switching on the IBM Proprinter
Model 4201 and IBM Quietwriter III Printer Model
5202
DEVICE = [*d:*][*path*] PRINTER.SYS LPT# [:] =
(*type*[,[(*hwcp*] [,*n*]])
or
DEVICE = [*d:*][*path*] PRINTER.SYS LPT# [:] =
(*type*[,[(*hwcp1,hwcp2, ...*)][,*n*]])

Sets number of control blocks that can be
concurrently
open
FCBS = *m,n*

Sets maximum number of files that can be
concurrently
open
FILES = *x*

Sets maximum number of drives that can be
accessed
LASTDRIVE = *x*

Loads a top-level command processor
SHELL = [*d:*][*path*] *filename*[.*ext*]
[*parm1*][*parm2*]

Allows you to override the default stack
STACKS = *n,s*

Personal System/2 is a trademark of the International
Business
Machines Corporation